

MSDD in metal design

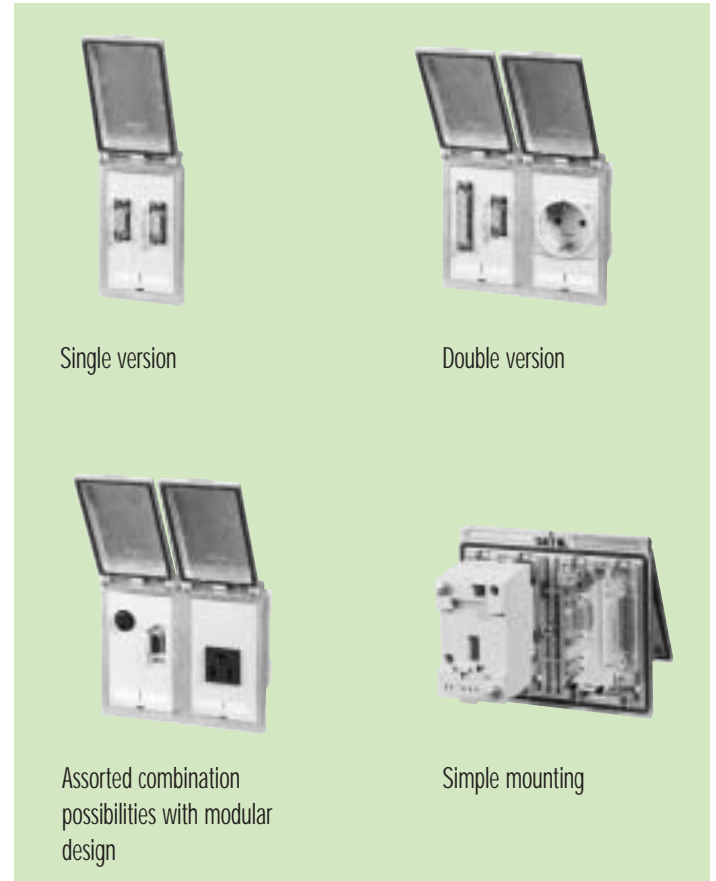
The new generation front panel interface sets new scale in point stability and modularity.

With the help of the MSDD front panel interface, programmers, diagnostic devices, data loggers, printers or monitors can be easily connected to the PLC; without opening the cabinet door. This is another plug-in solution for your control cabinet.

Along with the standard plastic MSDD Murrelektronik now offers this improved version with higher mechanical, chemical and temperature resistance. The hinged lid and optional locking mechanism, protects against dirt and unauthorized use.

By using modular assembly in either single or double versions, various combinations of integrated connectors can be provided with this new front panel interface.

From the protection grounding connection outlet to the VGA connector, almost all is in standard delivery program. Additionally, accessories such as a locking ring, on the closed hinged lid, round the system.



Energy integrated main sockets

- Germany (VDE)
- France (UTE)
- Great Britain (BS)
- USA (NEMA 5-15)
- Switzerland (Type 12)
- Italy

Information integrated data connectors

- SUB-D female and male connectors (9-, 15-, 25-, 37- and 50-pole)
- PC-interface (VGA-monitor 15 HD, PS2 mouse and keyboard)
- Network connectors (RJ 45, RJ 12)

Advantages:

- Single and double version
- Separated and lockable hinged lids
- Modular construction
- Professional design
- High mechanical resistance
- Simple mounting
- Integrated outlets for European and American markets
- Operating voltage indicator
- Wide range of data connectors (SUB-D, RJ 45, PS2 etc.)
- Protection IP64
- High temperature resistance

The connection to the outside world !



With front panel interface MSDD, you have a simple, unproblematic and optimal connector interface in your switch gear, connection box or command desk.

With the system startup and service work it is frequently necessary that the programmer equipment communicates with the controller, and at the same

time the control device of the command terminals serve as the display element to observe. With the front panel interface you have the possibility to directly produce the connection of the operator terminal with the control. Through a time involved diagnosis design you are ensured an effective switching on.

You must not always immediately send your products to an expensive technician since we have the PLC absentee diagnosis today, which is very significant. You will realize this with an electronic interface and a modem. In most there is a built in casing that can be placed next to the switch gear, in there you find the control.

Problems lie often in the connection between PLC and diagnosis accessory, there the switch gear door must be opened. With the MSDD produced by Murrelektronik using interface is so simple, it's child's play.

Front panel interface units
Metal model
Protection IP64

Single version

MSDD



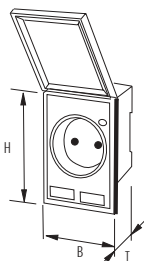
Ordering data		Art.-No.
Version		
German Norm	(VDE with LED)	67600
American Norm	(NEMA 5-15)	67601
French Norm	(UTE with LED)	67602
1 x 9-p. + 1 x 9-p. female	SUB-MIN-D	67610
1 x 15-p. + 1 x 15-p. female	SUB-MIN-D	67611
1 x 25-p. + 1 x 25-p. female	SUB-MIN-D	67612
1 x 37-p. female	SUB-MIN-D	67613
1 x 50-p. female	SUB-MIN-D	67614

General data	
Wall thickness	1...5 mm
Dimensions H x B x T	114 x 66 x 32...62 mm (element dependent)
Material/ Housing color/ Protection	zinc pressure diecasting/ grey / IP64 when lid is closed
Temperature range	-25...+60 °C

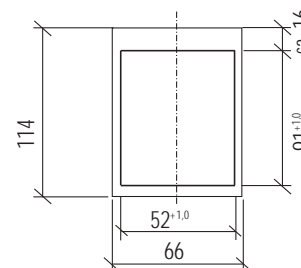
Technical data		Receptacle
Nominal voltage	VDE, UTE: max. 250 V AC	USA: max. 125 V AC
Nominal current	VDE, UTE: max. 16 A	USA: max. 15 A
Mounting method/ max. diameter	VDE, UTE: screw terminals/ max. 6 mm ²	USA: flat connector/ 4,8 mm x 0,6 mm/AWG 14-12

Technical data		Data plug connector SUB-MIN-D
Nominal voltage	max. 125 V AC/150 V DC	
Nominal current	max. 3 A	
Max. diameter	AWG 20/0,5 mm ²	
Mounting method	soldering	
Locking	UNC 4...40 bolts	

Dimension drawing



Wall cut-out (—) for mounting is not centered to the outer edge (-----) of the front panel suitable to wall thickness 1...5 mm



Accessories		
Locking mechanism for frontal lock		90965
Locking bolts		54076
Dust protection cap, when SUB-MIN-D is not used	9-pole	92100
	15-pole	92101
	25-pole	92102

Notes	
Other versions on request.	

Front panel interface units

Front panel interface units Metal model Protection IP64

Double version

MSDD German Norm (VDE with LED)



MSDD French Norm (UTE with LED)

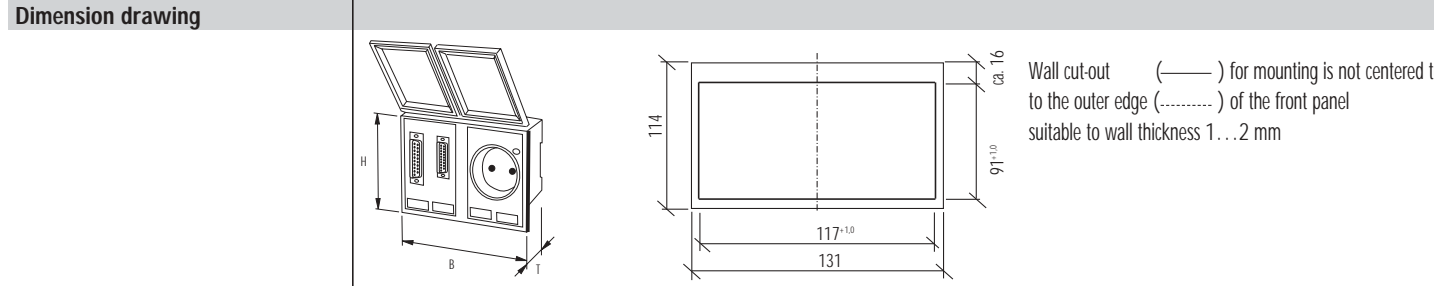


MSDD American Norm (NEMA 5-15)



SUB-MIN-D soldering connection	Art.-No.	Art.-No.	Art.-No.
Combination with plug socket			
1 x 9-p. female + 1 x 9-p. female	67700		67802
1 x 9-p. female + 1 x 9-p. male	67720		
1 x 9-p. female + 1 x 15-p. female	67706		
1 x 9-p. female + 1 x 25-p. female	67707	67850	67800
1 x 9-p. female + 1 x 37-p. female	67708		
1 x 9-p. male + 1 x 25-p. female	67722		
1 x 15-p. female + 1 x 15-p. female	67701	67855	
1 x 15-p. female + 1 x 25-p. female	67711		
1 x 15-p. female + 1 x 37-p. female	67712		
1 x 25-p. female + 1 x 25-p. female	67702		
1 x 25-p. female + 1 x 37-p. female	67715		
1 x 50-p. female	67719		
1 x 9-p. female + 9-p. blind cap.	67705		
1 x 15-p. female + 9-p. blind cap.	67710		
1 x 25-p. female + 9-p. blind cap.	67714		
1 x 37-p. female + 9-p. blind cap.	67717		
Data plug connector	Art.-No.	Art.-No.	Art.-No.
Combination with receptacle			
1 x 15-p. female (HD) + PS2 (6-p. female)	67740		
RJ 45 (8-p. female) pluggable from both sides	67745		
Receptacle	Art.-No.	Art.-No.	Art.-No.
2 x Plug sockets	67726		

General data			
Wall thickness	1...5 mm		
Dimensions H x B x T	114 x 131 x 32...62 mm (element dependent)		
Material/ Housing color/ Protection	zinc pressure diecasting/ grey/ IP64 when lid is closed		
Technical data		Receptacle	
Nominal voltage	max. 250 V AC		max. 125 V AC
Nominal current	max. 16 A		max. 15 A
Mounting method/ max. diameter	screw terminals/ 6 mm ²		flat connector/ 4,8 x 0,6 mm/AWG 14-12
Technical data		Data plug connector SUB-MIN-D	
Max. nominal voltage	SUB-MIN-D: 125 V AC/150 V DC	PS2: 100 V AC/DC	RJ45: 125 V AC/150 V DC
Max. nominal current	SUB-MIN-D: 3 A	PS2: 1 A	RJ45: 1 A
Max. diameter	SUB-MIN-D: AWG 20/0,5 mm ² (HD: AWG22/0,34 mm ²)	PS2: AWG24/0,22 mm ²	RJ45: –
Mounting method	SUB-MIN-D: soldering	PS2: soldering	RJ45: both sides pluggable
Locking	SUB-MIN-D: UNC 4...40 bolts	PS2: snap in	RJ45: staple for the bolt



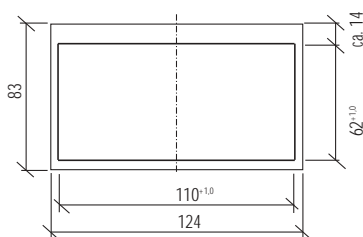
Notes
Other versions on request. Accessories see on page 3.14.7

Front panel interface units
Plastic model
Protection IP65

MSDD



Mounting notes



Wall cut-out (—) for mounting is not centered to the outer edge (.....) of the front panel suitable to wall thickness 1...2 mm

Ordering data	Art.-No.	Art.-No.	Art.-No.
Combination with plug socket	German Norm (VDE with LED)	French Norm (UTE with LED)	American Norm (NEMA 5-15)
2 x 9-pol. female SUB-MIN-D	67972		
1 x 9-pol. + 1 x 15-pol. female SUB-MIN-D	67973		
1 x 9-pol. + 1 x 25-pol. female SUB-MIN-D	67974	¹⁾ 676057	676070
1 x 15-pol. female SUB-MIN-D	67975		
1 x 15-pol. + 1 x 25-pol. female SUB-MIN-D	67976	¹⁾ 676068	676071
2 x 15-pol. female SUB-MIN-D	67960	¹⁾ 67965	676072
2 x 25-pol. female SUB-MIN-D	67977	¹⁾ 676061	676073
2 x 25-pol. male SUB-MIN-D	67978		
2 x plug sockets	67970	676069	676074

General data	
Wall thickness	1...2 mm
Dimensions H x B x T	92 x 124 x 65 mm
Material/ Housing color/ Protection	polyamide PA6,6/ grey (RAL 7035), black on request/ IP65 when lid is closed
Temperature range	-10...+60 °C

Mains plug socket	
Nominal voltage/ nominal current	max. 250 V AC/ max. 16 A
Mounting method/ max. diameter	screw terminals/ 6 mm ²

SUB-MIN-D connector	
Nominal voltage	max. 125 V AC/ 150 V DC
Nominal current	max. 3 A
Max. diameter	AWG 20/0,5 mm ²
Mounting method	soldering
Locking	bolt locking (UNC screw locking on request)

Dimension drawing		

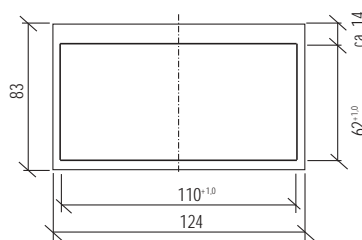
Notes	
UNC 4-40 bolts (1 pair) available as accessory Art.-No. 54079 .	¹⁾ UNC 4-40 screw fixing
Pre-wired cables with SUB-MIN-D connectors can be connected into the MSDD.	

Front panel interface units
Plastic model
Protection IP65

MSDD



Mounting notes



Wall cut-out (——) for mounting is not centered to the outer edge (-----) of the front panel suitable to wall thickness 1...2 mm

Ordering data	Art.-No.	Art.-No.
Combination with plug socket	German Norm (VDE with LED)	German Norm (VDE with LED)
1 x 9-p. male + 1 x 9-p. female SUB-MIN-D		¹⁾ 676087
1 x 25-p. male + 1 x 25-p. female SUB-MIN-D	676031	
1 x 25-p. female SUB-MIN-D	676039	676046
1 x 25-p. female SUB-MIN-D	¹⁾ 676036	
2 x 25-p. female SUB-MIN-D	²⁾ 676041	

General data

Wall thickness	1...2 mm	
Dimensions H x B x T	92 x 124 x 65 mm	
Material/ Housing color/ Protection	polyamide PA6,6/ grey (RAL 7035) / IP65 when lid is closed	polyamide PA6,6/ black / IP65 when lid is closed
Temperature range	-10...+60 °C	

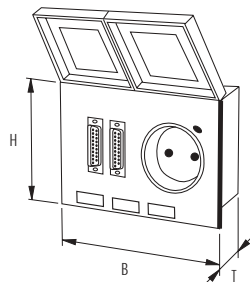
Mains plug socket

Nominal voltage	max. 250 V AC
Nominal current	max. 16 A

SUB-MIN-D connector

Nominal voltage	max. 125 V AC/150 V DC
Nominal current	max. 3 A
Max. diameter	AWG 20 / 0,5 mm ²
Mounting method	soldering
Locking	bolt locking (UNC screw locking on request)

Dimension drawing



Notes

UNC 4-40 bolts (1 pair) available as accessory. ¹⁾ UNC 4-40 screw fixing
Pre-wired cables with SUB-MIN-D connectors can be connected into the MSDD. ²⁾ no plug socket

DIN-rail mountable plug sockets for control panels

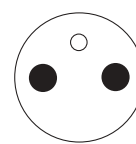
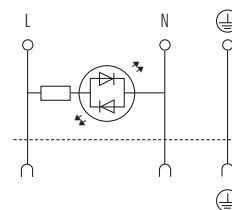
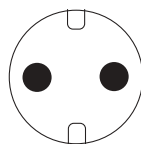
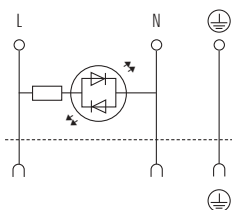
MSVD German Norm (VDE)



MSVD French Norm (UTE)



Circuit diagram



Ordering data

250 V AC without LED
250 V AC with LED

Art.-No.
67900
67901

Art.-No.
67950

Art.-No.
67910
67911

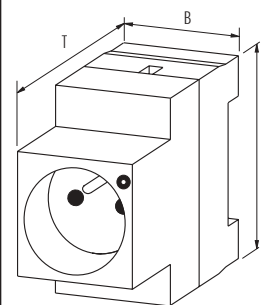
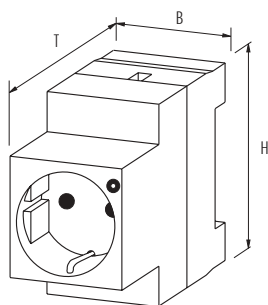
Technical data

Input voltage max. 250 V AC
Supply current max. 16 A
Status indicator LED yellow
No. of poles 2 + earth contact
Housing color grey (RAL 7035)
Mounting method DIN-rail mounting to EN 50022
Dimensions H x B x T 77 x 45 x 70 mm

yellow (RAL 1016)

grey (RAL 7035)

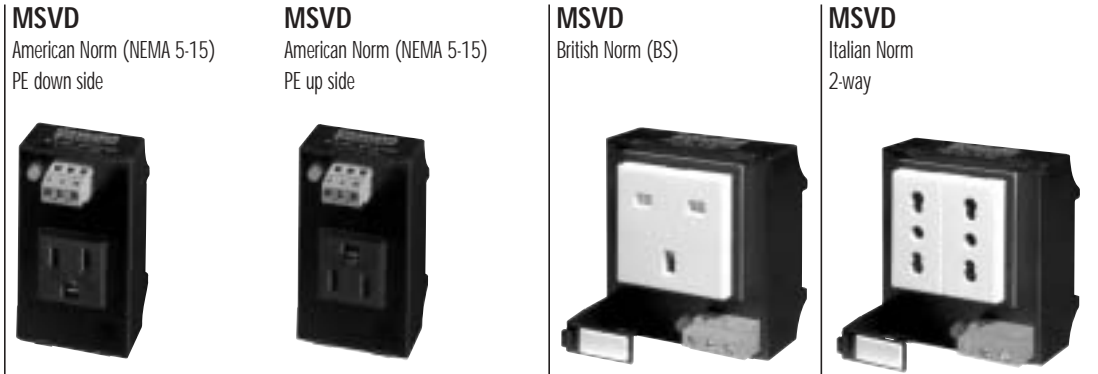
Dimension drawing



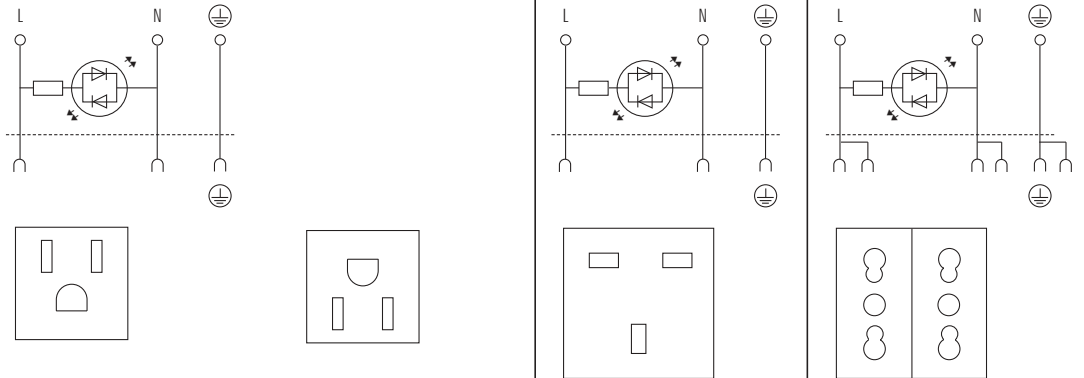
Notes

Plug sockets

DIN-rail mountable plug sockets for control panels



Circuit diagram



Ordering data

Connection screw terminals

Art.-No.
676166

Art.-No.
676152

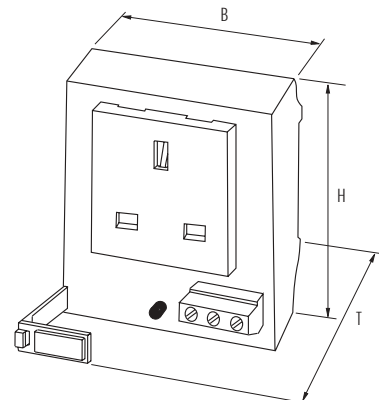
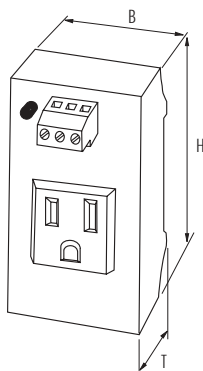
Art.-No.
676316

Art.-No.
676315

Technical data

Input voltage	max. 110 V AC	max. 250 V AC	
Supply current	max. 15 A	max. 13 A	max. 15 A/plug socket
Status indicator	LED yellow	LED yellow	
No. of poles	2 + earth contact	2 + earth contact	
Housing color	black	black	
Mounting method	DIN-rail mounting to EN 50022	DIN-rail mounting to EN 50022	
Dimensions H x B x T	75 x 45 x 58 mm	75 x 70 x 58 mm	

Dimension drawing



Notes